

## NAME OF PROPERTY

PORCUPINE (CR)

OBJECT LOCATED - #54, Map 92 I/SE (MI).

UNCERTAINTY IN METRES 300. Lat. 50°02' Long. 120°36'30"

Mining Division Nicola District Kamloops

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

The property is underlain by Upper Triassic amygdaloidal basalts and pyroclastics of the Nicola Group, and to the north-east by Miocene Coldwater sediments. In the vicinity of the old shaft the rocks strike N50°E and dip 45° southeast. Mineralization, which appears to be confined to a basalt bed about 10 feet thick, consists of disseminated chalcocite, chalcopyrite, bornite, and native copper. The basalt also contains finely disseminated specular hematite which in hand specimens may be mistaken for chalcocite. The basalt shows some fracturing, but no direct relationship was recognized between this fracturing and the mineralization.

Associated minerals or products of value

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at approximately 4,000 feet elevation on the east side of the Princeton-Merritt highway 10 miles southeast of Merritt, and one half mile northeast of Corbett Lake. The old workings, on the Porcupine No. 1 mineral claim, are located about 4,500 feet east of the highway.

No information has been found on the early history of this property. The old workings consist of an inclined shaft about 50 feet deep. The Porcupine 1-20 claims were acquired by Amalgamated Resources Ltd. in the early 1960's. A geophysical survey outlined three anomalous areas. During 1963, 410 feet of diamond drilling was done in 6 holes in the vicinity of the old shaft. The 1964 program included stripping along the strike of the mineralized zone, diamond drilling, and a self-potential survey. The stripping exposed mineralized amygdaloidal basalt on strike to a distance of 250 feet northeast of the shaft and 200 feet to the southwest. Negotiations were carried on during 1965 with Emrex Mining Limited for the establishment of an on-site leaching operation, however, no agreement was reached. Further work by Amalgamated during the period 1966-1969 inclusive included induced potential and soil geochemical surveys and diamond drilling. Reserves were reported as 138,000 tons (indicated) averaging 2.0% copper (Northern Miner, Feb. 2, 1967), and as 500,000 tons (possible) averaging 1.9% copper (Northern Miner, Dec. 4, 1969). The company name (Amalgamated) was changed in 1974 to Great Bear Mining Ltd. and in 1977 to Aries Resources Ltd.

Highland Lode Mines Ltd. by a June 1, 1972 agreement optioned a 80% interest in the property. The only work reported was 1,032 feet of diamond drilling. By an agreement of April 1974 Highland acquired an additional 15% interest in the claims to settle a debt. The company name (Highland) was changed in 1977 to CDR Resources Inc.

The ground was restaked in 1977 as the CR 1 claims (20 units) for Burdos Mines Ltd. A VLF electromagnetic survey over 12.5 kilometres identified several anomalous areas. The company name (Burdos) was changed in May 1979 to Pentagon Resources Ltd. During 1979 an electromagnetic survey, trenching, and diamond drilling was carried out; the drilling was designed to test for extensions of the mineralization previously drilled; very little mineraliza-

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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

tion was encountered; the drilling totalled 445 m in 5 holes. In 1980 the property was held as the CR 1 and 2 claims (38 units) by Cameron Resources Ltd; work included 105 m of diamond drilling in 3 holes.

REFERENCES

Reports of Minister of Mines, British Columbia: 1963, p. 54 + ; 1964, p. 95 ++ ; 1967, p. 282; 1968, p. 279.

Mineral Policy Sector; Corporation Files: "Aries Resources Ltd."; "CDR Resources Inc."; "Pentagon Resources Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1978, p. E 155; 1979, p. 162; 1980, p. 216.

MAP REFERENCES

Map 886 A, Nicola, (Geol.), Sc. 1":4 miles - accomp. Memoir 249.

\*Map 92 I/2, Merritt, (Topo.), Sc. 1:50,000.

#Map 92 I/SE (MI), Merritt, (Mineral Inventory), Sc. 1": 2 miles, British Columbia Dept. of Mines.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR				
Date	4-78	10-80	05-86				